

AMENDMENTS TO THE CLAIMS

This listing will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Currently amended) A machine for the manufacture of lipsticks, comprising:

a first and second carousel located one next to the other and comprising respective annular horizontal plates revolving around respective parallel vertical axes,

wherein the annular plate of the first carousel is provided with housings for flexible molds that are fillable with molten cosmetic product;

wherein the annular plate of the second carousel is provided with housings for cases for the collection of solidified cosmetic product;

wherein the first carousel comprises, along the run of its respective annular plate, the sequence of:

a first zone for heating the flexible molds by the introduction of warm air into said flexible molds for heating the same,

a second zone for pouring molten cosmetic product into said flexible molds,

a third cooling zone for cooling the flexible molds and the cosmetic products poured into them, the cooling zone operating by convection of cold air, for said flexible molds, the cooling zone operating by convection of cold air for said flexible molds and the cosmetic products poured into them, and

a fourth zone for the insertion of said inserting empty cases into said flexible molds and around the cosmetic products contained therein and for the subsequent extraction of said cases with relative cosmetic products inserted therein, and

wherein the second carousel comprises, along the run of its respective annular plate,

a zone for the grasping and transfer of said cases from said housings of the second carousel inside said flexible molds of the first carousel and for the return of said cases with inserted cosmetic products from said flexible molds to said housings of the second carousel, and

a zone for the completion of the insertion of the cosmetic products inside said cases.

3. (Previously presented) The machine according to claim 2, wherein said cooling zone of the first carousel comprises a cooling device comprising air at room temperature that is made circulate inside a box into which said flexible molds are inserted.

4. (Currently amended) The machine according to claim 2, wherein a gripping unit is provided between said case insertion zone of the first carousel and said case grasping and transfer zone of the second carousel, in which said cases are inserted into said flexible molds and around the cosmetic products and are then picked up from said flexible molds together with said cosmetic products, and said zone of the second carousel in which said cases are taken from said housings of the second carousel for their transfer inside said flexible molds of the first carousel and then taken back with inserted cosmetic products into said housings of the second carousel;

wherein said gripping unit is provided with gripping means for taking operates to take empty cases from said housings of the second carousel and inserting them in reversed, to insert them in upside-down position inside said flexible molds and around the cosmetic products in the first carousel to form case and cosmetic product assemblies when said housings of the first carousel are in said case insertion zone and then for extracting said case and cosmetic product assemblies from said housings of the first carousel and transferring them to of the first carousel and finally to take them back to their original position into said housings of the second carousel with said cosmetic products inserted in said cases.

5. (Currently amended) The machine according to claim 4, wherein said gripping unit means comprises:

a vertically mobile movable head,

a revolving hub carried by said head and rotatable around an axis in a plane parallel to said annular plates of the first and second carousels; and

an arm with case grasping tongs for the grasping of the cases fastened to said hub in such a way as to be rotated by 180° around said axis from a position with said tongs superimposed to said housings of the second carousel and [[to]] a position with said tongs overlapped to said housings of the first carousel, and vice-versa.

6. (Previously presented) The machine according to claim 2, wherein said cases comprise an internal part suitable to receive a cosmetic product and an external part that is screwable as regards said internal part for the complete insertion of said internal part and of said cosmetic products inside of said part external and said zone for the completion of the insertion of cosmetic product into said cases comprising a device that is capable to cause the mutual screwing of said internal and external parts of said cases.

7. (Previously presented) Machine according to claim 6, wherein said device comprises tongs for the gripping of said internal part of the cases, sprung bearing surfaces for said external part of the cases and revolving means connected with said bearing surfaces in such a way that their rotation causes the axial translation of said bearing surfaces as regards said tongs.

8. (Previously presented) Machine according to claim 2, wherein said zone for the heating of the first carousel comprises a main tube, containing a resistance controlled by thermocouple, that connects a hose with a collector that supports small tubes insertable in said flexible molds.